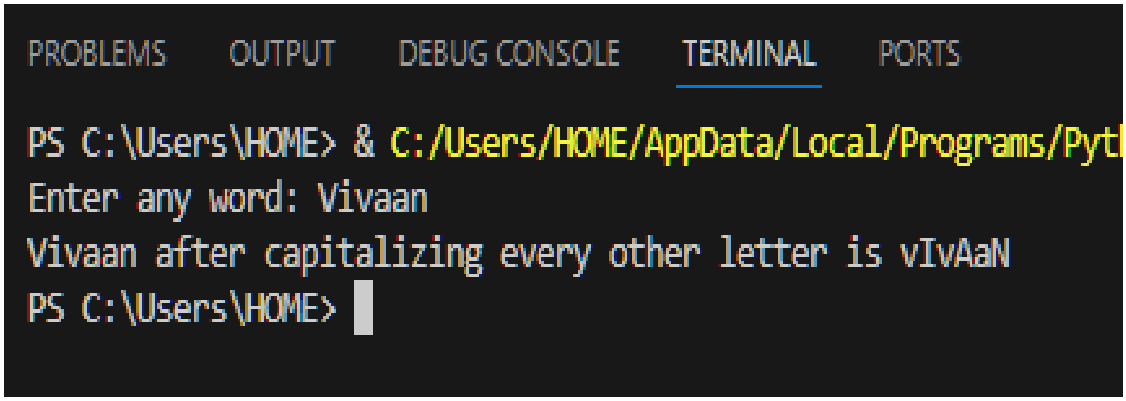
```
word = str(input("Enter any word: "))
result = ""
for i in range(len(word)):
    if i % 2 == 0:
        result += word[i].lower()
    else:
        result += word[i].upper()

print(f"{word} after capitalizing every other letter is {result}")
```

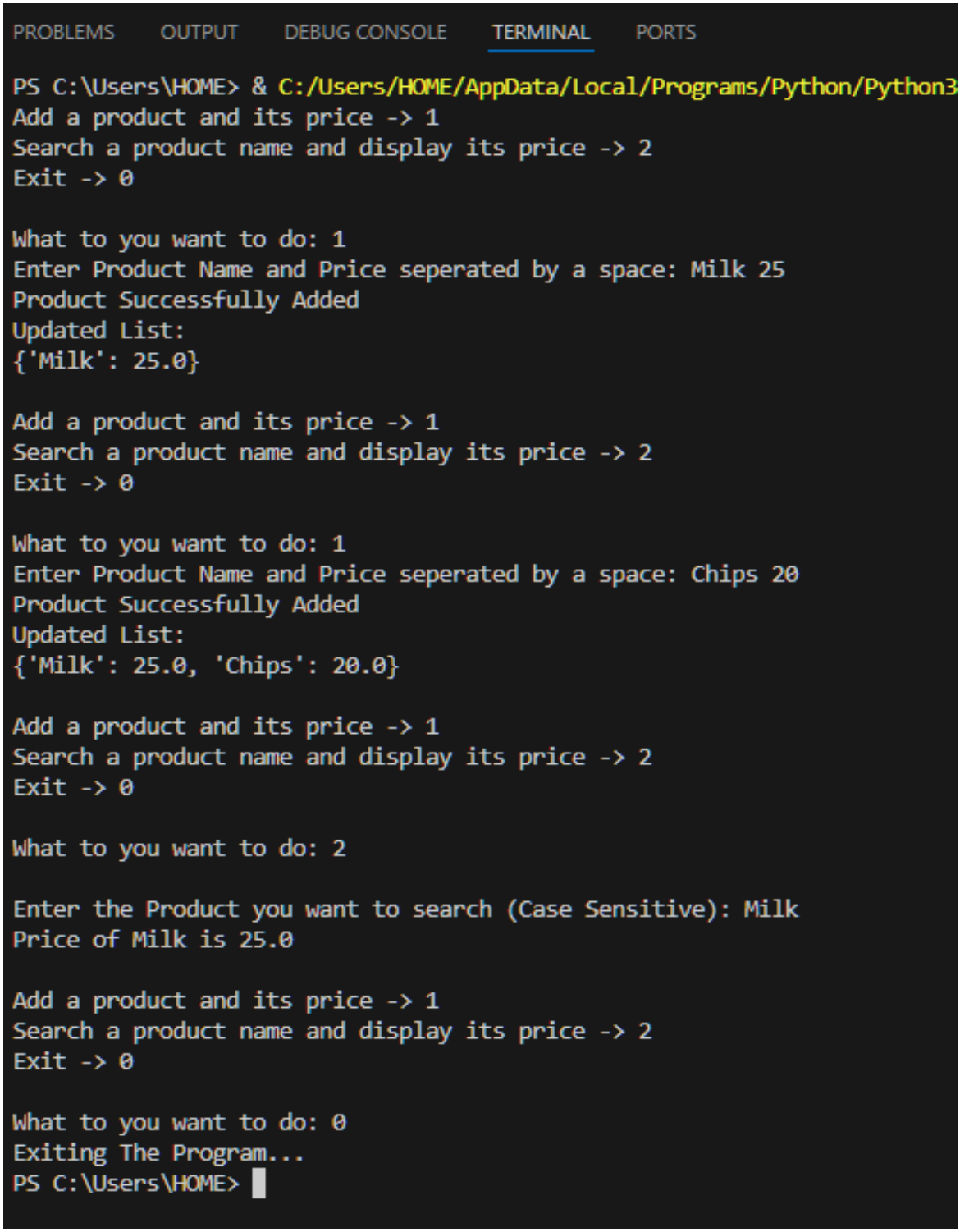
Output:



```
productandprice = {}
a = -1
while a != 0:
    print("Add a product and its price -> 1")
    print("Search a product name and display its price -> 2")
    print("Exit -> 0\n")
    a = int(input("What to you want to do: "))
    if a == 1:
        product , price = input("Enter Product Name and Price seperated by a space: ").split()
        product = str(product)
        price = float(price)
        productandprice[product] = price
        print("Product Successfully Added\nUpdated List:")
        print(productandprice)
        print()
    elif a == 2:
        search = str(input("\nEnter the Product you want to search (Case Sensitive): "))
        found = False
        for product , price in productandprice.items():
            if product == search:
                print(f"Price of {product} is {price}\n")
                found = True
                break

        if not found:
            print(f"Sorry {search} not found. Please Try Again!\n")

    elif a == 0:
        print("Exiting The Program...")

    else:
```

```
print("Please enter a valid number and try again!\n")
```

Output:



```
output = []
n = int(input("Enter number of test cases: "))
for i in range(n):
    digits = []
    count = 0
    testcase = int(input(f"Enter test case {i+1}: "))
    digits = [int(digit) for digit in str(testcase)]
    for number in digits:
        if testcase % number == 0:
            count += 1
    output.append(count)
print(output)
```

Output: